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## PATENT ABSTRACTS OF JAPAN

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(71) Applicant: **MITSUI CHEMICALS INC**

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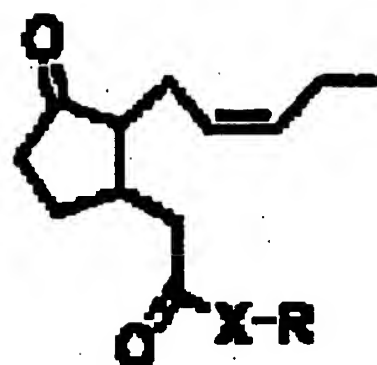
(74) Representative:

### (54) **PRODUCTION OF TAXANE DITERPENE**

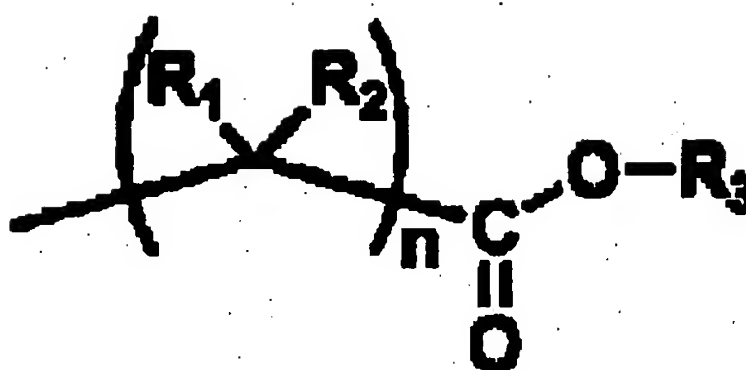
(57) Abstract:

**PROBLEM TO BE SOLVED:** To simply produce a taxane diterpene that is useful as a therapeutic agent for ovarian cancer, mammary cancer, lung cancer or the like by culturing the cells or tissue of a plant that can produce the taxane diterpene in a culture medium including a specific jasmonic acid.

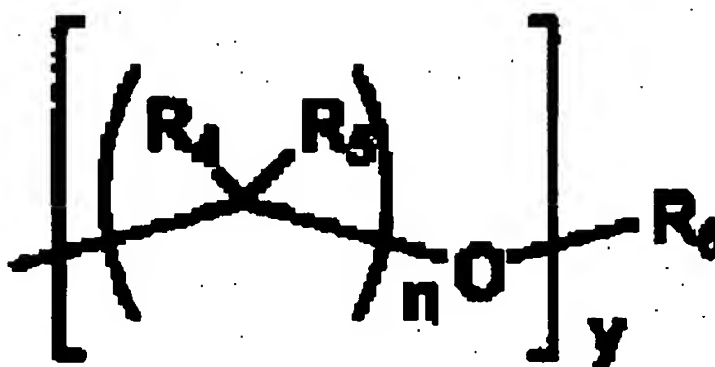
**SOLUTION:** Cells or tissues of a plant producing a taxane diterpene, for example, *Taxus brevifolia* NUTT are cultured in the presence of a jasmonic acid derivative represented by formula I [X is O, S, NH; R is formula II (R1 and R2 are each H, OH, 1-6C alkyl; R3 is H, a 1-6C alkyl; an aryl which may be substituted, an arylalkyl which may be substituted; n is an integer of 1-5)], or formula III (R4 and R5 are each identical to R1; y is an integer of 1-5) and the objective taxane diterpene is collected from the resultant culture mixture. This taxane diterpene is useful as a therapeutic agent for ovarian cancer, mammary cancer, lung cancer or the like.



I



II

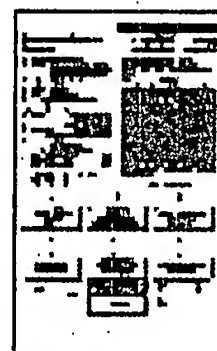


III

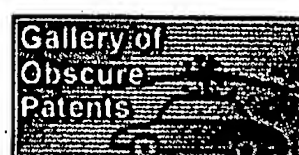
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View: [Full Record](#) | Jump to: [Top](#)[Email this to a friend](#)Title: **JP2000333691A2: PRODUCTION OF TAXANE DITERPENE**Country: **JP Japan**Kind: **A2 Document Laid open to Public inspection I**Inventor: **YUKIMUNE TAKAHITO;  
HARA YASUHIRO;  
SETO HIDEHARU;**Assignee: **mitsui chemicals inc**  
[News, Profiles, Stocks and More about this company](#)Published / Filed: **Dec. 5, 2000 / May 26, 1999**Application Number: **JP1999000146357**IPC Code: **C12P 17/02; C07C 69/716; C12P 17/02; C12R 1/91;**ECLA Code: **None**Priority Number: **May 26, 1999 JP1999000146357**Other Abstract Info: **CHEMABS 134(01)004116A CHEMABS 134(01)004116A DERABS  
C2001-213321 DERABS C2001-213321**[View Image](#)

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